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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,573	11/15/2006	Angus Lang	102792-495 (11161P1 US)	4431
27389 7590 01/05/2009 NORRIS, MCLAUGHLIN & MARCUS 875 THIRD AVE 18TH FLOOR NEW YORK, NY 10022				
EXAMINER BOYER, CHARLES I				
ART UNIT		PAPER NUMBER		
1796				
MAIL DATE		DELIVERY MODE		
01/05/2009		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/552,573

**Applicant(s)**

LANG ET AL.

**Examiner**

Charles I. Boyer

**Art Unit**

1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SF/ICE)  
Paper No(s)/Mail Date 10/11/05.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Before citing the references against the present claims, the examiner would like to state for the record that due to the inordinate breadth of the present claims, requiring only a multiple emulsion, the examiner maintains that a thorough search is impossible. Multiple emulsions, or triple emulsions, are well known in the art, and the examiner believes that keeping active ingredients in separate phases is the whole idea behind these emulsions. The examiner believes, therefore, that virtually every multiple emulsion in existence, at least in the detergent arts, will anticipate at least claim 1 of the present application. The examiner has cited a tiny fraction of the prior art that could be used to reject these claims. Any response from applicants to the references cited below that does not also address the fact that their claims are extremely broadly written,

together with a clear statement of what applicants consider to be the novelty of their invention, will likely not be successful in rendering these claims allowable.

2. Claims 1-4 and 9-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Zhu et al, US 6,797,685.

Zhu et al teach a laundry detergent in the form of a stable W/O/W emulsion comprising surfactants in the aqueous phase (col. 15, example 5). As this reference meets all material limitations of the claims at hand, the reference is anticipatory.

3. Claims 1-4 and 9-18 are rejected under 35 U.S.C. 102(a) as being anticipated by Simon, US 6,464,966.

Simon teaches a personal cleanser in the form of a stable W/O/W emulsion comprising surfactants in the aqueous phase (see abstract and examples 1-4). As this reference meets all material limitations of the claims at hand, the reference is anticipatory.

4. Claims 1-4 and 9-18 are rejected under 35 U.S.C. 102(b) as being anticipated by St Lewis et al, US 6,268,322.

St Lewis et al teach a personal cleanser in the form of a stable W/O/W emulsion comprising surfactants in the aqueous phase (col. 14, examples 1-7). As this reference meets all material limitations of the claims at hand, the reference is anticipatory.

5. Claims 1-4 and 9-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Amalric et al, US 2003/0133957.

Amalric et al teach a topical composition in the form of a stable W/O/aqueous gel emulsion comprising surfactants in the aqueous phase (¶194). Note that these compositions may be used in detergent compositions (claim 12). As this reference meets all material limitations of the claims at hand, the reference is anticipatory.

6. Claims 1-16 and 18 are rejected under 35 U.S.C. 102(a) as being anticipated by Glenn et al, WO 02/069917.

Glenn et al teach a personal treatment composition in the form of a stable O/W/O emulsion comprising hydrophobic silica and fatty alcohol in the aqueous phase (page 50, example III). As this reference meets all material limitations of the claims at hand, the reference is anticipatory.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Amalric et al, US 2003/0133957.

9. Amalric et al are relied upon as set forth above. The multiple emulsions may be stabilized with a hydrophobic silica (¶64). Accordingly, it would have been obvious to one of ordinary skill in the art to incorporate a hydrophobic silica stabilizer in the composition of ¶94 with a reasonable expectation of successfully forming an effective detergent composition.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles I. Boyer whose telephone number is 571 272 1311. The examiner can normally be reached on M-Th 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571 272 1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Charles I Boyer

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Primary Examiner  
Art Unit 1796

/Charles I Boyer/  
Primary Examiner, Art Unit 1796